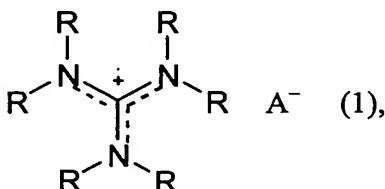


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) Process for the preparation of guanidinium salts of the formula (1)



in which the substituents R in each case, independently of one another, have the meaning of hydrogen,

straight-chain or branched alkyl having 1-20 C atoms,

saturated, partially or fully unsaturated cycloalkyl having 3-7 C atoms, which may be substituted by alkyl groups having 1-6 C atoms,

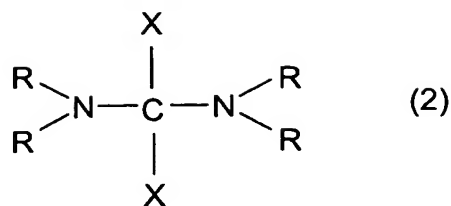
where one or more substituents R may be partially or fully substituted by halogen or partially by CN or NO₂ and halogen denotes F, Cl, Br or I,

where up to four substituents R may be bonded to one another in pairs by a single or double bond

and where a carbon atom or two non-adjacent carbon atoms of one or more substituents R may be replaced by atoms and/or atom groups selected from the group -O-, -C(O)-, -C(O)O-, -S-, -S(O)-, -SO₂-, -SO₃-, -N=, -N=N-, -NH-, -NR'-, -PR'-, -P(O)R'-, -P(O)R'-O-, -O-P(O)R'-O-, and -P(R')₂=N-, where R' denotes non-fluorinated, partially or perfluorinated alkyl having 1-6 C atoms, saturated or partially unsaturated cycloalkyl having 3-7 C atoms, unsubstituted or substituted phenyl or an unsubstituted or substituted heterocycle and

A⁻ is a sulfonate, alkyl- or arylsulfate, hydrogensulfate, imide, methanide, carboxylate, phosphate, phosphinate, phosphonate, borate, thiocyanate, perchlorate, fluorosilicate or nitrate,

by reaction of a compound of the formula (2)



in which the substituents R have a meaning indicated for formula (1) and X denotes F, Cl or Br,

with a compound of the formula (3)

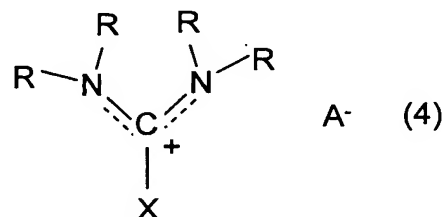


in which A⁻ has a meaning indicated for formula (1) and

Kt⁺ can be a proton, R''₃Si, an alkali or alkaline earth metal cation, an ammonium cation, a phosphonium cation or a cation from group 11 or 12,

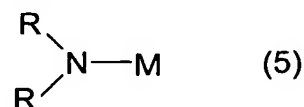
where R'' in each case, independently of one another, denotes phenyl or a linear or branched alkyl group having 1-6 C atoms, which may be substituted by phenyl,

and subsequent reaction of the resultant compound of the formula (4)



where the substituents R, X and A⁻ have a meaning indicated for formula (1) or (2),

with compounds of the formula (5)



where the substituents R have a meaning indicated for formula (1) and

M denotes hydrogen, R''₃Si, an alkali or alkaline earth metal and

R'' in each case, independently of one another, denotes phenyl or a linear or branched alkyl group having 1-6 C atoms, which may be substituted by phenyl.

2. (Original) Process according to Claim 1, characterised in that compounds of the formula Kt⁺ A⁻ (3) are employed, in which Kt⁺ has a meaning indicated in Claim 1 and

A⁻ is selected from the group

[R¹OSO₃]⁻, [R¹SO₃]⁻, [R^FSO₃]⁻, [(FSO₂)₂N]⁻, [(R^FSO₂)₂N]⁻, [(R^FSO₂)(R^FCO)N]⁻, [(R^FSO₂)₃C]⁻, [(FSO₂)₃C]⁻, [R¹CH₂C(O)O]⁻, [R^FC(O)O]⁻, [P(C_nF_{2n+1-m}H_m)_yF_{6-y}]⁻, [P(C₆F₅)_yF_{6-y}]⁻, [(R¹O)₂P(O)O]⁻, [R¹₂P(O)O]⁻, [R¹P(O)O₂]²⁻, [R^F₂P(O)O]⁻, [R^FP(O)O₂]²⁻, [BF_{4-z}R^F_z]⁻, [BF_{4-z}(CN)_z]⁻, [B(C₆F₅)₄]⁻, [B(OR¹)₄]⁻, [N(CN)₂]⁻, [C(CN)₃]⁻, [N(CF₃)₂]⁻, [HSO₄]⁻, [SiF₆]²⁻, [ClO₄]⁻, [SCN]⁻ and [NO₃]⁻,

in which the substituents R^F in each case, independently of one another, have the meaning of perfluorinated and straight-chain or branched alkyl having 1-20 C atoms,

perfluorinated and straight-chain or branched alkenyl having 2-20 C atoms and one or more double bonds,

perfluorinated and saturated, partially or fully unsaturated cycloalkyl having 3-7 C atoms, which may be substituted by perfluoroalkyl groups,

where the substituents R^F may be bonded to one another in pairs by a single or double bond and

where a carbon atom or two non-adjacent carbon atoms of the substituent R^F which are not in the α-position to the heteroatom may be replaced by atoms and/or atom groups selected from the group -O-, -C(O)-, -S-, -S(O)-, -SO₂-, -N=, -N=N-, -NR'-, -PR'- and -P(O)R'-, where R' denotes non-fluorinated, partially or perfluorinated alkyl having 1-6 C atoms, saturated or partially unsaturated cycloalkyl having 3-7 C atoms, unsubstituted or substituted phenyl or an unsubstituted or substituted heterocycle,

in which the substituents R¹ in each case, independently of one another, have the meaning of straight-chain or branched alkyl having 1-20 C atoms,

straight-chain or branched alkenyl having 2-20 C atoms and one or more double bonds,

straight-chain or branched alkynyl having 2-20 C atoms and one or more triple bonds,

saturated, partially or fully unsaturated cycloalkyl having 3-7 C atoms, which may be substituted by alkyl groups having 1-6 C atoms,

where the substituents R¹ may be partially substituted by CN, NO₂ or halogen and halogen denotes F, Cl, Br or I,

where the substituents R¹ may be bonded to one another in pairs by a single or double bond and

where a carbon atom or two non-adjacent carbon atoms of the substituent R¹ which are not in the α -position to the heteroatom may be replaced by atoms and/or atom groups selected from the group -O-, -C(O)-, -C(O)O-, -S-, -S(O)-, -SO₂-, -SO₃-, -N=, -N=N-, -NH-, -NR'-, -PR'-, -P(O)R'-, P(O)R'O-, OP(O)R'O-, -PR'₂=N-, -C(O)NH-, -C(O)NR'-, -SO₂NH- or -SO₂NR'-, where R' denotes non-fluorinated, partially or perfluorinated alkyl having 1-6 C atoms, saturated or partially unsaturated cycloalkyl having 3-7 C atoms, unsubstituted or substituted phenyl or an unsubstituted or substituted heterocycle and the variables

n denotes 1 to 20,

m denotes 0, 1, 2 or 3,

y denotes 0, 1, 2, 3 or 4, and

z denotes 0, 1, 2, 3 or 4.

3. (Currently Amended) Process according to Claim 1 ~~or 2~~, characterised in that A⁻ is selected from the group

[CH₃OSO₃]⁻, [C₂H₅OSO₃]⁻, [C(CN)₃]⁻,
 [CH₃SO₃]⁻, [C₈H₁₇SO₃]⁻, [CH₃C₆H₄SO₃]⁻, [CF₃SO₃]⁻, [C₂H₅SO₃]⁻, [CF₃CF₂SO₃]⁻,
 [(CF₃SO₂)₂N]⁻, [(FSO₂)₂N]⁻, [(CF₃SO₂)(CF₃CO)N]⁻, [(C₂F₅SO₂)(CF₃CO)N]⁻,
 [(C₂F₅SO₂)₂N]⁻, [(CF₃SO₂)₃C]⁻, [(C₂F₅SO₂)₃C]⁻, [(FSO₂)₃C]⁻, [CH₃C(O)O]⁻, [C₂H₅C(O)O]⁻,
 [CF₃C(O)O]⁻, [CF₃CF₂C(O)O]⁻, [PF₆]⁻, [P(C₂F₅)₃F₃]⁻, [P(C₄F₉)₃F₃]⁻, [P(CF₃)₃F₃]⁻,
 [P(C₂F₄H)(CF₃)₂F₃]⁻, [P(C₂F₃H₂)₃F₃]⁻, [P(C₂F₅)(CF₃)₂F₃]⁻, [P(C₆F₅)₃F₃]⁻, [P(C₃F₇)₃F₃]⁻,
 [P(C₂F₅)₂F₄]⁻, [(HO)₂P(O)O]⁻, [(CH₃O)₂P(O)O]⁻, [(C₂H₅O)₂P(O)O]⁻, [(C₂F₅)₂P(O)O]⁻,
 [(C₂F₅)P(O)O₂]²⁻, [P(C₆F₅)₂F₄]⁻, [(CH₃)₂P(O)O]⁻, [CH₃P(O)O₂]²⁻, [(CF₃)₂P(O)O]⁻,
 [CF₃P(O)O₂]²⁻, [BF₄]⁻, [BF₃(CF₃)]⁻, [BF₂(C₂F₅)₂]⁻, [BF₃(C₂F₅)]⁻, [BF₂(CF₃)₂]⁻, [B(C₂F₅)₄]⁻,
 [BF₃(CN)]⁻, [BF₂(CN)₂]⁻, [B(CN)₄]⁻, [B(OCH₃)₄]⁻, [B(CF₃)₄]⁻, [B(OCH₃)₂(OC₂H₅)₂]⁻,
 [B(O₂C₂H₄)₂]⁻, [B(O₂C₂H₂)₂]⁻, [B(O₂C₆H₄)₂]⁻, [N(CN)₂]⁻, [N(CF₃)₂]⁻, [HSO₄]⁻, [ClO₄]⁻,
 [SiF₆]⁻, [SCN]⁻ or [NO₃]⁻.

4. (Currently Amended) Process according to ~~one or more of Claims 1 to 3~~ claim 1, characterised in that the substituent X in dihalogen compounds of the formula (2) according to Claim 1 denotes fluorine or chlorine.

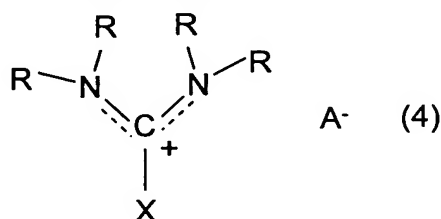
5. (Currently Amended) Process according to ~~one or more of Claims 1 to 4~~ Claim 1, characterised in that the substituent R in compounds of the formula (5) according to Claim 1 in each case, independently of one another, has the meaning of hydrogen,
straight-chain or branched alkyl having 1-20 C atoms or saturated, partially or fully unsaturated cycloalkyl having 3-7 C atoms, which may be substituted by alkyl groups having 1-6 C atoms.
6. (Currently Amended) Process according to ~~one or more of Claims 1 to 5~~ Claim 1, characterised in that the first step of the process is carried out in water.
7. (Currently Amended) Process according to ~~one or more of Claims 1 to 6~~ Claim 1, characterised in that the first step of the process is carried out at temperatures of 0° to 150°C.
8. (Currently Amended) Process according to ~~one or more of Claims 1 to 5~~ Claim 1, characterised in that the first step of the process is carried out in an organic solvent.
9. (Currently Amended) Process according to ~~one or more of Claims 1 to 5 and 8~~ Claim 1, characterised in that the first step of the process is carried out at temperatures of -50° to 150°C.
10. (Currently Amended) Process according to ~~one or more of Claims 1 to 9~~ Claim 1, characterised in that the second step of the process is carried out without a solvent.
11. (Currently Amended) Process according to ~~one or more of Claims 1 to 10~~ Claim 1, characterised in that the second step of the process is carried out at a temperature at which at least one component is liquid.
12. (Currently Amended) Process according to ~~one or more of Claims 1 to 9~~ Claim 1, characterised in that the second step of the process is carried out in an organic solvent.

13. (Currently Amended) Process according to ~~one or more of Claims 1 to 9 and 12~~ Claim 1, characterised in that the second step of the process is carried out at temperatures of -50° to 150°C.

14. (Currently Amended) Process according to ~~one or more of Claims 1 to 9~~ Claim 1, characterised in that the second step of the process is carried out in water.

15. (Currently Amended) Process according to ~~one or more of Claims 1 to 9 and 14~~ Claim 1, characterised in that the second step of the process is carried out at temperatures of 0° to 150°C.

16. (Original) Compounds of the formula (4)



in which the substituents R in each case, independently of one another, have the meaning of hydrogen,

straight-chain or branched alkyl having 1-20 C atoms,

saturated, partially or fully unsaturated cycloalkyl having 3-7 C atoms, which may be substituted by alkyl groups having 1-6 C atoms,

where one or more substituents R may be partially or fully substituted by halogen or partially by CN or NO₂ and

halogen denotes F, Cl, Br or I,

where up to four substituents R may be bonded to one another in pairs by a single or double bond

and where a carbon atom or two non-adjacent carbon atoms of one or more substituents R may be replaced by atoms and/or atom groups selected from the group -O-, -C(O)-, -C(O)O-, -S-, -S(O)-, -SO₂-, -SO₃-, -N=, -N=N-, -NH-, -NR'-, -PR'-, -P(O)R'-, -P(O)R'-O-, -O-P(O)R'-O-, and -P(R')₂=N-, where R' denotes non-fluorinated, partially or perfluorinated

alkyl having 1-6 C atoms, saturated or partially unsaturated cycloalkyl having 3-7 C atoms, unsubstituted or substituted phenyl or an unsubstituted or substituted heterocycle,

X denotes F, Cl or Br,

with the proviso that all four substituents R are not simultaneously hydrogen and

A⁻ is selected from the group

$[R^1OSO_3]^-$, $[R^1SO_3]^-$, $[R^FSO_3]^-$, $[(FSO_2)_2N]^-$, $[(R^FSO_2)_2N]^-$, $[(R^FSO_2)(R^FCO)N]^-$, $[(R^FSO_2)_3C]^-$, $[(FSO_2)_3C]^-$, $[R^1CH_2C(O)O]^-$, $[R^FC(O)O]^-$, $[P(C_nF_{2n+1-m}H_m)_yF_{6-y}]^-$, $[P(C_6F_5)_yF_{6-y}]^-$, $[(R^1O)_2P(O)O]^-$, $[R^1_2P(O)O]^-$, $[R^1P(O)O_2]^{2-}$, $[R^F_2P(O)O]^-$, $[R^FP(O)O_2]^{2-}$, $[BF_{4-z}R^F_z]^-$, $[BF_{4-z}(CN)_z]^-$, $[B(C_6F_5)_4]^-$, $[B(OR^1)_4]^-$, $[N(CN)_2]^-$, $[(CN_3)C]^-$, $[N(CF_3)_2]^-$, $[HSO_4]^-$, $[SiF_6]^{2-}$, $[ClO_4]^-$, $[SCN]^-$ and $[NO_3]^-$,

where $[CF_3SO_3]^-$ is excepted and

in which the substituents R^F in each case, independently of one another, have the meaning of perfluorinated and straight-chain or branched alkyl having 1-20 C atoms,

perfluorinated and straight-chain or branched alkenyl having 2-20 C atoms and one or more double bonds,

perfluorinated and saturated, partially or fully unsaturated cycloalkyl having 3-7 C atoms,

which may be substituted by perfluoroalkyl groups,

where the substituents R^F may be bonded to one another in pairs by a single or double bond and

where a carbon atom or two non-adjacent carbon atoms of the substituent R^F which are not in the α-position to the heteroatom may be replaced by atoms and/or atom groups selected from the group -O-, -C(O)-, -S-, -S(O)-, -SO₂-, -N=, -N=N-, -NR'-, -PR'- and -P(O)R'-, where R' denotes non-fluorinated, partially or perfluorinated alkyl having 1-6 C atoms, saturated or partially unsaturated cycloalkyl having 3-7 C atoms, unsubstituted or substituted phenyl or an unsubstituted or substituted heterocycle,

in which the substituents R¹ in each case, independently of one another, have the meaning of straight-chain or branched alkyl having 1-20 C atoms,

straight-chain or branched alkenyl having 2-20 C atoms and one or more double bonds,

straight-chain or branched alkynyl having 2-20 C atoms and one or more triple bonds,

saturated, partially or fully unsaturated cycloalkyl having 3-7 C atoms, which may be

substituted by alkyl groups having 1-6 C atoms,

where the substituents R^1 may be partially substituted by CN, NO_2 or halogen and

halogen denotes F, Cl, Br or I,

where the substituents R^1 may be bonded to one another in pairs by a single or double bond and

where a carbon atom or two non-adjacent carbon atoms of the substituent R^1 which are not in the α -position to the heteroatom may be replaced by atoms and/or atom groups selected from the group -O-, -C(O)-, -C(O)O-, -S-, -S(O)-, -SO₂-, -SO₃-, -N=, -N=N-, -NH-, -NR'-, -PR'-, -P(O)R'-, P(O)R'O-, OP(O)R'O-, -PR'₂=N-, -C(O)NH-, -C(O)NR'-, -SO₂NH- or -SO₂NR'-, where R' denotes non-fluorinated, partially or perfluorinated alkyl having 1-6 C atoms, saturated or partially unsaturated cycloalkyl having 3-7 C atoms, unsubstituted or substituted phenyl or an unsubstituted or substituted heterocycle

and the variables

n denotes 1 to 20,

m denotes 0, 1, 2 or 3,

y denotes 1, 2, 3 or 4 and

z denotes 1, 2, 3 or 4.

17. (Original) Compounds according to Claim 16, characterised in that the substituents R denote hydrogen or a straight-chain or branched alkyl group having 1-12 C atoms, with the proviso that all four substituents R are not hydrogen or at least two substituents R are bonded to one another by single or double bonds in such a way that a monocyclic cation is formed and

the counteranion A^- denotes

$[CH_3OSO_3]^-$, $[C_2H_5OSO_3]^-$, $[C(CN)_3]^-$,

$[CH_3SO_3]^-$, $[C_8H_{17}SO_3]^-$, $[CH_3C_6H_4SO_3]^-$, $[CF_3SO_3]^-$, $[C_2H_5SO_3]^-$, $[CF_3CF_2SO_3]^-$,

$[(CF_3SO_2)_2N]^-$, $[(FSO_2)_2N]^-$, $[(CF_3SO_2)(CF_3CO)N]^-$, $[(C_2F_5SO_2)(CF_3CO)N]^-$, $[(C_2F_5SO_2)_2N]^-$,

$[(CF_3SO_2)_3C]^-$, $[(C_2F_5SO_2)_3C]^-$, $[(FSO_2)_3C]^-$, $[CH_3C(O)O]^-$, $[C_2H_5C(O)O]^-$, $[CF_3C(O)O]^-$,

$[CF_3CF_2C(O)O]^-$, $[PF_6]^-$, $[P(C_2F_5)_3F_3]^-$, $[P(C_4F_9)_3F_3]^-$, $[P(CF_3)_3F_3]^-$, $[P(C_2F_4H)(CF_3)_2F_3]^-$,

$[P(C_2F_3H_2)_3F_3]^-$, $[P(C_2F_5)(CF_3)_2F_3]^-$, $[P(C_6F_5)_3F_3]^-$, $[P(C_3F_7)_3F_3]^-$, $[P(C_2F_5)_2F_4]^-$, $[(HO)_2P(O)O]^-$,

$[(CH_3O)_2P(O)O]^-$, $[(C_2H_5O)_2P(O)O]^-$, $[(C_2F_5)_2P(O)O]^-$, $[(C_2F_5)P(O)O_2]^{2-}$, $[P(C_6F_5)_2F_4]^-$,

$[(\text{CH}_3)_2\text{P}(\text{O})\text{O}]^-$, $[\text{CH}_3\text{P}(\text{O})\text{O}_2]^{2-}$, $[(\text{CF}_3)_2\text{P}(\text{O})\text{O}]^-$, $[\text{CF}_3\text{P}(\text{O})\text{O}_2]^{2-}$, $[\text{BF}_4]^-$, $[\text{BF}_3(\text{CF}_3)]^-$,
 $[\text{BF}_2(\text{C}_2\text{F}_5)_2]^-$, $[\text{BF}_3(\text{C}_2\text{F}_5)]^-$, $[\text{BF}_2(\text{CF}_3)_2]^-$, $[\text{B}(\text{C}_2\text{F}_5)_4]^-$, $[\text{BF}_3(\text{CN})]^-$, $[\text{BF}_2(\text{CN})_2]^-$, $[\text{B}(\text{CN})_4]^-$,
 $[\text{B}(\text{OCH}_3)_4]^-$, $[\text{B}(\text{CF}_3)_4]^-$, $[\text{B}(\text{OCH}_3)_2(\text{OC}_2\text{H}_5)_2]^-$, $[\text{B}(\text{O}_2\text{C}_2\text{H}_4)_2]^-$, $[\text{B}(\text{O}_2\text{C}_2\text{H}_2)_2]^-$, $[\text{B}(\text{O}_2\text{C}_6\text{H}_4)_2]^-$
, $[\text{N}(\text{CN})_2]^-$, $[\text{N}(\text{CF}_3)_2]^-$, $[\text{HSO}_4]^-$, $[\text{ClO}_4]^-$, $[\text{SiF}_6]^-$, $[\text{SCN}]^-$ or $[\text{NO}_3]^-$.